Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	% AW	333.33							
	Sub Total-2	5888.88							
	culvert	8	8.00	0.45	0.70	20.16			
						20.16	**Cum**	**5888.88**	**118719.88**
6	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&IWTD SR 2016-17)								
	Basic rate	5249.00							
	11% AD-HOC	577.39							
	Sub Total-1	5826.39							
	6% AW	349.58							
	Sub Total-2	6175.97							
	culvert	8	8.00	0.45	0.10	2.88			
						2.88	**Cum**	**6175.97**	**17,786.80**
7	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-(Data rate)								
	Basic rate	5111.00							
		4	8.00	1.50		48.00			
						48.00	**Sqm**	**5111.00**	**245328.00**
8	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301(P.No. 143, I.No. 19.14)								
	Basic rate	46.00							
	11% AD-HOC	5.06							
	Sub Total-1	51.06							
	6% AW	3.06							
	Sub Total-2	54.12							
	10km ld & lt, transport	100.00							
	Sub Total-3	154.12							
	Santoshnagara								
	2nd cross	1	161.00	4.10	0.40	264.04			
	4th cross	1	147.00	4.50	0.40	264.60			
	cross road - 1	1	24.00	4.15	0.40	39.84			
	cross road - 2	1	25.00	4.10	0.40	41.00			
	6th cross	1	398.00	4.50	0.40	716.40			
	Kallavav public school	1	65.00	5.20	0.40	135.20			
	1st A cross	1	131.00	5.10	0.35	233.84			
	1st cross	1	47.00	4.70	0.40	88.36			
	White petals school	1	125.00	5.10	0.35	223.13			
	cross road - 3	1	24.00	3.50	0.35	29.40			
	cross road - 4	1	39.00	3.70	0.35	50.51			
	cross road - 5	1	25.00	3.50	0.40	35.00			
	cross road - 6	1	24.00	3.70	0.35	31.08			
	cross road - 7	1	21.00	3.80	0.35	27.93			
	cross road - 8	1	24.00	4.00	0.35	33.60			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss road - 9	1	25.00	4.30	0.35	37.63			
	cross road - 10	1	24.00	4.10	0.35	34.44			
						2285.98	**Sqm**	**154.12**	**352323.47**
9	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 149, I.No. 19.64)								
	Basic rate	5.00							
	11% AD-HOC	0.55							
	Sub Total-1	5.55							
	6% AW	0.33							
	Sub Total-2	5.88							
	Santoshnagara								
	2nd cross	1	161.00	4.10		660.10			
	4th cross	1	147.00	4.50		661.50			
	cross road - 1	1	24.00	4.15		99.60			
	cross road - 2	1	25.00	4.10		102.50			
	6th cross	1	398.00	4.50		1791.00			
	Kallavav public school	1	65.00	5.20		338.00			
	1st A cross	1	131.00	5.10		668.10			
	1st cross	1	47.00	4.70		220.90			
	White petals school	1	125.00	5.10		637.50			
	cross road - 3	1	24.00	3.50		84.00			
	cross road - 4	1	39.00	3.70		144.30			
	cross road - 5	1	25.00	3.50		87.50			
	cross road - 6	1	24.00	3.70		88.80			
	cross road - 7	1	21.00	3.80		79.80			
	cross road - 8	1	24.00	4.00		96.00			
	cross road - 9	1	25.00	4.30		107.50			
	cross road - 10	1	24.00	4.10		98.40			
						5965.50	**Sqm**	**5.88**	**35,095.04**
10	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
	Santoshnagara								
	Basic rate	1571.00							
	11% AD-HOC	172.81							
	Sub Total-1	1743.81							
	6% AW	104.63							
	Sub Total-2	1848.44							
	2nd cross	1	161.00	4.10	0.15	99.02			
	4th cross	1	147.00	4.50	0.15	99.23			
	cross road - 1	1	24.00	4.15	0.15	14.94			
	cross road - 2	1	25.00	4.10	0.15	15.38			
	6th cross	1	398.00	4.50	0.15	268.65			
	Kallavav public school	1	65.00	5.20	0.15	50.70			
	1st A cross	1	131.00	5.10	0.15	100.22			
	1st cross	1	47.00	4.70	0.15	33.14			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	White petals school	1	125.00	5.10	0.15	95.63			
	cross road - 3	1	24.00	3.50	0.15	12.60			
	cross road - 4	1	39.00	3.70	0.15	21.65			
	cross road - 5	1	25.00	3.50	0.15	13.13			
	cross road - 6	1	24.00	3.70	0.15	13.32			
	cross road - 7	1	21.00	3.80	0.15	11.97			
	cross road - 8	1	24.00	4.00	0.15	14.40			
	cross road - 9	1	25.00	4.30	0.15	16.13			
	cross road - 10	1	24.00	4.10	0.15	14.76			
						894.83	**Cum**	**1848.44**	**1654029.07**
11	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
	Basic rate	1668.00							
	11% AD-HOC	183.48							
	Sub Total-1	1851.48							
	6% AW	111.09							
	Sub Total-2	1962.57							
	Santoshnagara								
	2nd cross	1	161.00	4.10	0.200	132.02			
	4th cross	1	147.00	4.50	0.200	132.30			
	cross road - 1	1	24.00	4.15	0.200	19.92			
	cross road - 2	1	25.00	4.10	0.200	20.50			
	6th cross	1	398.00	4.50	0.200	358.20			
	Kallavav public school	1	65.00	5.20	0.200	67.60			
	1st A cross	1	131.00	5.10	0.200	133.62			
	1st cross	1	47.00	4.70	0.200	44.18			
	White petals school	1	125.00	5.10	0.200	127.50			
	cross road - 3	1	24.00	3.50	0.200	16.80			
	cross road - 4	1	39.00	3.70	0.200	28.86			
	cross road - 5	1	25.00	3.50	0.200	17.50			
	cross road - 6	1	24.00	3.70	0.200	17.76			
	cross road - 7	1	21.00	3.80	0.200	15.96			
	cross road - 8	1	24.00	4.00	0.200	19.20			
	cross road - 9	1	25.00	4.30	0.200	21.50			
	cross road - 10	1	24.00	4.10	0.200	19.68			
						1193.10	**Cum**	**1962.57**	**2341540.84**
12	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)								
	Basic rate	26.00							
	11% AD-HOC	2.86							
	Sub Total-1	28.86							
	6% AW	1.73							
	Sub Total-2	30.59							
	Santoshnagara								
	2nd cross	1	161.00	4.10		660.10			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	[illegible]h cross	1	147.00	4.50		661.50			
	cross road - 1	1	24.00	4.15		99.60			
	cross road - 2	1	25.00	4.10		102.50			
	6th cross	1	398.00	4.50		1791.00			
	Kallavav public school	1	65.00	5.20		338.00			
	1st A cross	1	131.00	5.10		668.10			
	1st cross	1	47.00	4.70		220.90			
	White petals school	1	125.00	5.10		637.50			
	cross road - 3	1	24.00	3.50		84.00			
	cross road - 4	1	39.00	3.70		144.30			
	cross road - 5	1	25.00	3.50		87.50			
	cross road - 6	1	24.00	3.70		88.80			
	cross road - 7	1	21.00	3.80		79.80			
	cross road - 8	1	24.00	4.00		96.00			
	cross road - 9	1	25.00	4.30		107.50			
	cross road - 10	1	24.00	4.10		98.40			
						5965.50	**Sqm**	**30.59**	**182494.19**
13	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)								
	Basic rate	6717.00							
	11% AD-HOC	738.87							
	Sub Total-1	7455.87							
	6% AW	447.35							
	Sub Total-2	7903.22							
	Santoshnagara								
	2nd cross	1	161.00	4.10	0.05	33.01			
	4th cross	1	147.00	4.50	0.05	33.08			
	cross road - 1	1	24.00	4.15	0.05	4.98			
	cross road - 2	1	25.00	4.10	0.05	5.13			
	6th cross	1	398.00	4.50	0.05	89.55			
	Kallavav public school	1	65.00	5.20	0.05	16.90			
	1st A cross	1	131.00	5.10	0.05	33.41			
	1st cross	1	47.00	4.70	0.05	11.05			
	White petals school	1	125.00	5.10	0.05	31.88			
	cross road - 3	1	24.00	3.50	0.05	4.20			
	cross road - 4	1	39.00	3.70	0.05	7.22			
	cross road - 5	1	25.00	3.50	0.05	4.38			
	cross road - 6	1	24.00	3.70	0.05	4.44			
	cross road - 7	1	21.00	3.80	0.05	3.99			
	cross road - 8	1	24.00	4.00	0.05	4.80			
	cross road - 9	1	25.00	4.30	0.05	5.38			
	cross road - 10	1	24.00	4.10	0.05	4.92			
						298.28	**Cum**	**7903.22**	**2357333.60**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
14	KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)								
	Basic rate	11.00							
	11% AD-HOC	1.21							
	Sub Total-1	12.21							
	6% AW	0.73							
	Sub Total-2	12.94							
	Santoshnagara								
	2nd cross	1	161.00	4.10		660.10			
	4th cross	1	147.00	4.50		661.50			
	cross road - 1	1	24.00	4.15		99.60			
	cross road - 2	1	25.00	4.10		102.50			
	6th cross	1	398.00	4.50		1791.00			
	Kallavav public school	1	65.00	5.20		338.00			
	1st A cross	1	131.00	5.10		668.10			
	1st cross	1	47.00	4.70		220.90			
	White petals school	1	125.00	5.10		637.50			
	cross road - 3	1	24.00	3.50		84.00			
	cross road - 4	1	39.00	3.70		144.30			
	cross road - 5	1	25.00	3.50		87.50			
	cross road - 6	1	24.00	3.70		88.80			
	cross road - 7	1	21.00	3.80		79.80			
	cross road - 8	1	24.00	4.00		96.00			
	cross road - 9	1	25.00	4.30		107.50			
	cross road - 10	1	24.00	4.10		98.40			
						5965.50	**Sqm**	**12.94**	**77,209.08**
15	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
	Basic rate	7659.00							
	11% AD-HOC	842.49							
	Sub Total-1	8501.49							
	6% AW	510.09							
	Sub Total-2	9011.58							
	Santoshnagara								
	2nd cross	1	161.00	4.10	0.03	19.80			
	4th cross	1	147.00	4.50	0.03	19.85			
	cross road - 1	1	24.00	4.15	0.03	2.99			
	cross road - 2	1	25.00	4.10	0.03	3.08			
	6th cross	1	398.00	4.50	0.03	53.73			
	Kallavav public school	1	65.00	5.20	0.03	10.14			
	1st A cross	1	131.00	5.10	0.03	20.04			
	1st cross	1	47.00	4.70	0.03	6.63			
	White petals school	1	125.00	5.10	0.03	19.13			
	cross road - 3	1	24.00	3.50	0.03	2.52			
	cross road - 4	1	39.00	3.70	0.03	4.33			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss road - 5	1	25.00	3.50	0.03	2.63			
	cross road - 6	1	24.00	3.70	0.03	2.66			
	cross road - 7	1	21.00	3.80	0.03	2.39			
	cross road - 8	1	24.00	4.00	0.03	2.88			
	cross road - 9	1	25.00	4.30	0.03	3.23			
	cross road - 10	1	24.00	4.10	0.03	2.95			
						178.97	**Cum**	**9011.58**	**1612757.31**
16	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)								
	Basic rate	512.00							
	11% AD-HOC	56.32							
	Sub Total-1	568.32							
	6% AW	34.10							
	Sub Total-2	602.42							
	Santoshnagara								
	2nd cross	2	161.00	0.10		32.20			
	4th cross	2	147.00	0.10		29.40			
	cross road - 1	2	24.00	0.10		4.80			
	cross road - 2	2	25.00	0.10		5.00			
	6th cross	2	398.00	0.10		79.60			
	Kallavav public school	2	65.00	0.10		13.00			
	1st A cross	2	131.00	0.10		26.20			
	1st cross	2	47.00	0.10		9.40			
	White petals school	2	125.00	0.10		25.00			
	cross road - 3	2	24.00	0.10		4.80			
	cross road - 4	2	39.00	0.10		7.80			
	cross road - 5	2	25.00	0.10		5.00			
	cross road - 6	2	24.00	0.10		4.80			
	cross road - 7	2	21.00	0.10		4.20			
	cross road - 8	2	24.00	0.10		4.80			
	cross road - 9	2	25.00	0.10		5.00			
	cross road - 10	2	24.00	0.10		4.80			
						265.80	**Sqm**	**602.42**	**160123.02**
								Total Construction Cost	**9853456.87**
								DPR & PMC Charges	**146500.00**
								Sub Total	**9999956.87**
								Utility Shifting, Miscellaneous, Rounding off	**43.13**
								GRAND TOTAL	**10000000.00**

Administrative Approval
Accorded For .....
Head of A/C.....
CER NO :..... Dt:..
E.E. (Project)

Technical Sanction
Accorded For 100 Lakhs.
Head of A/C. P-2178
CER NO :... 638 ..... Dt: 08/02/18
TA CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates. 11% AD-HOC is added as per order issued on 06-02-2018

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer,
Yelahanka Division,
BBMP Bangalore
9/2/18